

CITY OF SPRINGFIELD
INTEROFFICE MEMORANDUM

TO: Randy Lyman

DATE: May 21, 1992

Subject: Consolidated Freight
=====

This memo is to confirm our phone conversation of May 20, 1992 concerning Tom Plattner's (McLaren Hart) request to discharge to the POTW groundwater from tank removal operations located at Consolidated Freight, 2930 E. Kearney, Springfield, Mo.

After reviewing the results of the analysis of the water and finding no violation of Chapter 30 limitations for the Southwest Treatment Plant I advised Mr. Plattner that he may proceed with the discharge of the waters to the POTW at the manhole you designated. This manhole is located north of the driveway of Beaufort Transfer Co. 2146 N. Packer Rd. Mr. Plattner understood that the reason he was given permission to discharge at this location and not at the Southwest Treatment Plant was because of the large amount of water that will be removed (approximately 20,000 gallons).

Please find attached the results of the analysis of this water.



Bob Corson
WPCI III
S E & B

2930 E. Kearney

S STODDARD Equipment Co.

Complete Service to the Petroleum Industry

3536 E. SUNSHINE SPRINGFIELD, MISSOURI 65809

(417) 881-2727

WATS 1-800-873-2727

If you have
questions

~~If you have~~

FACSIMILE COVER LETTER
FAX # 417-881-5449

DELIVER THE FOLLOWING TO:

NAME

Steve Meyer

LOCATION

Springfield Public Works

FROM

Ray Mabrey

MEMO:

Water Sample Results from
Consolidated Flight ways on E.
Hearney

TOTAL NUMBER OF PAGES 2 (INCLUDING COVER LETTER)

DATE: 5.20.92

FAX NO. CALLED

864-1918

TIME:

1540

IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL THIS OFFICE
AS SOON AS POSSIBLE.

MAY-20-92 WED 12:55

McLaren Hart Spfd Central

FAX NO. 4178644887

P. 02

881 - 5449

TSL INC.Technical Services Laboratories, Inc.
1612 North Lexington Avenue • Springfield, Missouri 65802
417-864-0924 FAX: 417-864-4337 BN: 6-864-2175UPON FUTURE CORRESPONDENCE
REFER TO REPORT NUMBER

Material Wastewater Test Report No. D-6338
Customer McLaren Hart Address Springfield, MO
Purchase Order No. File No. T-007 Specification
Date Sample Submitted May 19, 1992 Date Sample Received May 19, 1992

Analysis of a water sample as requested by Tom Plattner of McLaren Hart. Sample was collected on May 19 at 12:30 PM and delivered to TSL by Tom Plattner.

Project
Number 10.0000162.003
Name Consolidated Freight
Location 2930 E. Kearney, Springfield

Sample Description CF-W-1a and CF-W-1b

Appearance Water in amber glass bottles

Total Oil and Grease
Method 413.1 13 mg/L
Analysis Date May 19, 1992

Flash Point
ASTM Method D 93 >200° F.
Analysis Date May 20, 1992

pH, Method 150.1 8.52
Analysis Date May 19, 1992

Total Metals
Cadmium, Method 213.1 0.017 mg/L
Chromium, Method 218.1 0.032 mg/L
Copper, Method 220.1 0.10 mg/L
Lead, Method 239.1 <0.03 mg/L
Nickel, Method 249.1 0.80 mg/L
Zinc, 239.1 0.34 mg/L
Analysis Date May 19, 1992

cc: Mr. Tom Plattner
McLaren Hart
901 St. Louis
Springfield, MO 65806

Analyzed by: J. T. Bohanon, R. C. Thoenitz, R. A. Vestal, M. W. Prunty

Approved by: R. E. Doughty
R. E. Doughty, Laboratory Director

Date: May 20, 1992

MEMO TO STEVE MEYER

On Tuesday, May 19, 1992, Tom Plattner of McClaren Hart called this office about disposing of groundwater around a tank excavation at the Consolidated Freightway terminal (2930 E. Kearney). He said there was between 3,000 and 10,000 gallons of water to dispose of and needed to know what the City required. I advised him he needed to run the following heavy metals---cadmium, chrome, copper, lead, nickel, and zinc; oil and grease; pH; and flashpoint, and that we would need to see the results before he could dispose of the water. I also mentioned that we could not accept floating material or sediment. He asked if floating material meant grass or a substance such as petroleum floating on top of the water. I informed him we couldn't accept petroleum product on the water. Mr. Plattner asked what the limits were that he needed to meet. I told him that the following limits needed to be met: cadmium 1.01 mg/l; chromium 7.41 mg/l; copper 5.56 mg/l; lead 3.23mg/l; nickel 2.94 mg/l and zinc 10.75 mg/l; pH between 5.5 and 10.5; oil and grease <100 ppm; and flashpoint >140 F. He asked about what method was used to run the oil and grease. I referred him to Tom Holst. He then asked if he had to do all of these tests since he was just doing groundwater. I told him he would need to call Bob Schaefer if he wanted a variance on these requirements.

Mr. Plattner called back about 10 minutes later because Bob Schaefer was out of town this week. At this time I mentioned that he would need to have the water trucked to the Southwest Wastewater Treatment Plant. He asked that if he brought in the sampling results tomorrow, we could give him permission to dispose of the water. I referred Mr. Plattner to Steve Meyer.

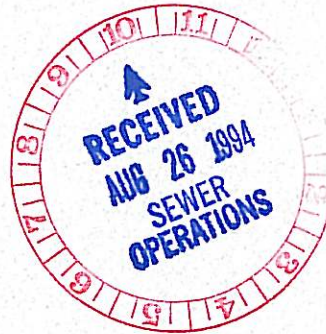
Karen Chandler

Karen Chandler
WPCI II
S & E



August 23, 1994
BEI Job No. 90359.002

Mr. Gene Pabst
City of Springfield
Public Works Department, Sanitary Services
1216 W. Nichols Street
Springfield, MO 65802



Subject: Consolidated Freightways
2930 E. Kearney Street
Springfield, MO
Discharge Approval to the Wastewater Treatment Plant

Dear Gene:

One 10,000-gallon diesel underground storage tank (UST) was removed by Stoddard Equipment Company on August 10, 1994, and petroleum-contaminated groundwater was encountered in the excavation during the removal of the UST.

A water sample, WS-1, was collected on the same day from the UST excavation in 2 one-liter amber bottles by a representative of Blymyer Engineers, Inc., the environmental consultant for Consolidated Freightways, and hand-delivered with proper chain-of-custody documentation to TSL Inc. for analysis. The water sample was analyzed for oil and grease, total cyanide, pH, flashpoint, and the the total concentration of arsenic, cadmium, chromium, copper, lead, mercury, nickel, and zinc. The water sample was analyzed for these parameters to determine if the water in the UST excavation could be discharged at the Southwest Wastewater Treatment Plant in Springfield, Missouri. A copy of the laboratory analytical results and chain-of-custody documentation are enclosed.

The laboratory analytical results show that all parameters were less than the local discharge limitations for the Southwest Wastewater Treatment Plant as shown on the enclosed sheet that was received from your department. The laboratory analytical results were faxed to your office and verbal approval to discharge the water to the treatment plant was given by you on August 11, 1994.

8-29-94 I called Ramon Khu to see how many gallons of water that they took to the SWTP. He said that they pumped 40,000 - 45,000 gallons.

Gene Pabst


Mr. Gene Pabst
Springfield Public Works Department

August 23, 1994
Page 2

Blymyer Engineers would like to thank you for your prompt response on this matter and appreciates your help in expediting the discharge approval. Please call me if you have any questions.

Sincerely,

Blymyer Engineers, Inc.

By: 
Ramon Khu
Director of UST Services

Enclosures

cc: Mr. Robert Weaver - Consolidated Freightways, Inc.

rk\90359.002\spmdpw.let

TSL INC

Technical Services Laboratories, Inc.
1612 North Lexington Avenue - Springfield, Missouri 65802
417-873-3195 FAX: 417-864-4337 BN: 8-873-3195

UPON FUTURE CORRESPONDENCE
REFER TO REPORT NUMBER

Material WATER Test Report No. E-0192-B
Customer STODDARD EQUIPMENT COMPANY Address SPRINGFIELD, MO
Purchase Order No. _____ File No. T-273 Specification _____
Date Sample Submitted _____ Date Sample Received AUGUST 10, 1994

Analysis of a water sample submitted by Mr. Rex Maberry.

Project Number..... 90359.002
Project Manager..... Ramon Khu/Rex Maberry
Project Name..... CF-Springfield, MO
Sample Identification WS-1
Date Sampled August 10, 1994
Sampled By Ramon Khu
Appearance..... Cloudy water

<u>TEST PARAMETERS</u>	<u>RESULTS</u>	<u>DATE OF ANALYSIS</u>
pH, EPA Method 150	7.9	August 11, 1994
Flash Point, Closed Cup EPA Method 1010.....	> 205° F.	August 11, 1994
Total Cyanide EPA Method 335.2.....	< 0.002 mg/L	August 11, 1994
Oil and Grease EPA Method 413.2.....	53.6 mg/L	August 11, 1994
Total Petroleum Hydrocarbons Analysis by EPA Method 418.1	48.0 mg/L	August 11, 1994
Animal and/or Vegetable Oil and Grease (Oil & Grease minus TPH).....	5.6 mg/L	August 11, 1994

cc: Mr. Rex Maberry
Stoddard Equipment Company
3536 E. Sunshine
Springfield, MO 65809

Analyzed by: A. D. Luna, W. A. Middleton, D. E. Helmbrecht, R. C. Thaemlitz

Reported By: M. W. Woods

Approved by: R. E. Dougherty
R. E. Dougherty, Laboratory Director

Date: August 11, 1994

2930 E. KERNNEY

TSL INC

E-0192-B

August 11, 1994

Page Two

TEST PARAMETERS**RESULTS****DATE OF ANALYSIS**

Total Metals:

Arsenic, EPA Method 206.2	<0.006 mg/L	August 11, 1994
Cadmium, EPA Method 213.1	0.038 mg/L	August 11, 1994
Chromium, EPA Method 218.1	<0.026 mg/L	August 11, 1994
Copper, EPA Method 220.1	0.083 mg/L	August 11, 1994
Lead, EPA Method 239.1	0.071 mg/L	August 11, 1994
Mercury, EPA Method 245.1	<0.0001 mg/L	August 11, 1994
Nickel, EPA Method 249.1	<0.074 mg/L	August 11, 1994
Zinc, EPA Method 289.1	0.163 mg/L	August 11, 1994

2930 E. KERNWAY

TSL INC.Technical Services Laboratories, Inc.
1612 N. Lexington Avenue
Springfield, MO 65802
(417) 864-3195**CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST**

Project Manager:

Phone #:

RAMON KHU / REX MABERRY

ANALYSIS REQUEST

Address:

FAX #:

Project Number:

90359.002

Project Name:

CF - SPRINGFIELD, MO

Project Location:

Sampler Signature:

Sample
IDLab #

Lab use
only

#CONTAINERS

Volume/Amount

WATER

SOIL

AIR

SLUDGE

OTHER

Matrix

Method
Preserved

HCl

HNO₃

ICE

NONE

OTHER

Sampling

DATE

TIME

BTEX (GC-PID, 602, 8020)

BTEX (GC-MS, 624, 8240)

TPH (IR, 418.1)

TPH-Gasoline (GC-PID, 8020)

TPH-Diesel (GC-FID, 8015)

Oil and Grease (Grav., 413.1)

Oil and Grease (IR, 413.2)

Flash Point (1010, D92)

pH (150.1, 9040, 9045)

PCB (GC-ECD, 8080)

Volatiles Scan (GC-MS, 8240)

TCLP Metals (AA, 1311, 7000)

TCLP Volatiles (1311, 8240)

TCLP Semivolatiles (1311, 8270)

TCLP Insecticides (1311, 8080)

TCLP Herbicides (1311, 8150)

Reactive Cyanide/Sulfide

Paint Filter Liquids (9095)

Total Metals - List:

As, Cd, Cr, Cu, Pb, Zn, Ni, Hg

Total CN

Relinquished by:

Date

Time

Received by:

Date Report Required:

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory

10/10/94 10:00 AM

Section 30-24: Specific Pollutant Limitations.

(a) Southwest Wastewater Treatment Plant Local Discharge Limitations. Local discharge limitations for specific pollutants listed in this table are established to protect against pass through and interference. No person shall discharge wastewater containing in excess of the following instantaneous maximum allowable discharge limits:

PARAMETERS (mg/l)	
Aluminum - dissolved (Al)	*
Antimony (Sb)	*
Arsenic (As)	0.51
Barium (Ba)	*
Beryllium (Be)	*
Boron (B)	*
Cadmium (Cd)	0.13
Chromium - total (Cr)	2.91
Chromium - hexavalent (Cr 6+)	*
Cobalt (Co)	*
Copper (Cu)	2.44
Cyanide (CN)	0.33
Fluoride (F)	*
Iron (Fe)	*
Lead (Pb)	0.53
Manganese (Mn)	*
Mercury (Hg)	0.02
Nickel (Ni)	5.79
Phenols	*
Selenium (Se)	*
Silver (Ag)	*
Thallium (Tl)	*
Zinc (Zn)	6.54
Total Kieldahl Nitrogen (TKN)	*
Ammonia (NH ₃ -N)	*
Oil & Grease (Animal and/or vegetable)	100
Total Toxic Organics (T.T.O.)	*
Total Dissolved Solids	*
Temperature - Maximum (F°)	150
pH - Maximum (pH Units)	12.5
pH - Minimum (pH Units)	5.0
Biochemical Oxygen Demand (BOD)	*
Chemical Oxygen Demand (COD)	*
Suspended Solids (NFR)	*
Flow - (MGD)	*
Flashpoint - not less than (F°)	140

The above limits apply at the point where wastewater is discharged to the POTW. All concentrations for metallic substances are for "total" metal unless indicated otherwise.

* No discharge limit is currently warranted for these parameters. The Director reserves the right, however, to establish a discharge limit as the need occurs.

July 14, 1994

MEMO TO FILE: CONSOLIDATED FREIGHT - 2930 E. KEARNEY.

I returned the telephone call of Mr. Ramon Khu, a consultant for Consolidated Freight, on 7-14-94, at approximately 11:15 A.M. Mr. Khu explained that they were going to have to do some additional remediation work at Consolidated Freight. Mr. Khu stated that they were going to have to do some excavation at the site and was wondering if they got into water, could they handle the water like they did in the cleanup operation a couple of years ago. I told Mr. Khu that I did not know of any problems with the previous cleanup and saw no reason why it could not be handled the same. I told Mr. Khu to send us something in writing. We would then send him back a reply in writing and that way we would all have something for our records. I also told Mr. Khu that he would have to test the water before he could discharge it and that they would have to run local limits. I asked Mr. Khu if he had a copy of Chapter 30. He said that he did not. I told him that when we send him a reply to his letter that I would include a copy of "Wastewater Regulations", Chapter 30, of the Springfield City Code.

I explained to Randy Lyman as to the nature of my conversation with Mr. Khu. Randy stated that he did not want them to discharge to the manhole on Packer Rd. if they only had a couple of loads. Last time they had 40,000 gallons and it would have been very inconvenient to take it to the treatment plant. I told Randy that Mr. Khu was only checking out his options before starting the project. He did not know if he would even encounter any water.



Gene Pabst

Mr. Ramon Khu
1-800-753-3113

2930 E. KEARNEY



October 31, 1990

Mr. Rex Maberry
Stoddard Equipment Company
3536 E. Sunshine
Springfield, MO 65809

Dear Mr. Maberry:

We are in receipt of sample analyses for 40,000 gallons of water removed from underground storage tanks at Consolidated Freightways, 2930 E. Kearney and trucked to a manhole at 2146 North Packer. The samples were taken before treatment to determine heavy metal concentrations for discharge to the P.O.T.W. The metals analyses revealed the water to be acceptable for discharge to the sewer tributary to the Southwest Wastewater Treatment Plant. The water was treated through an oil/water separator to acceptable levels of oil and grease before discharge to the P.O.T.W. A statement for billing charges for the volume discharged is enclosed.

Sincerely,

J. Randall Lyman
Sewer Surveillance and Billing Supervisor

JRL/jb

Enclosure

cc: File

STATEMENT

*City of Springfield, Missouri*SPRINGFIELD, MO., October 31 19 90M Stoddard Equipment Company3536 E. SunshineSpringfield, MO 65809

40 loads of water @ 1,000 gallons each

@ \$10.00 per 1,000 gallons

\$400.00

PAYMENT DUE WITHIN 30 DAYS OF STATEMENT DATE

Please make check payable to City of Springfield

Sanitary Services Division

Room 210, City Hall

P. O. Box 8368

Springfield, MO 65801



3536 E. SUNSHINE
(417) 881-2727

SPRINGFIELD, MISSOURI 65809
WATS 1-800-873-2727

OCT 26 1990

October 22, 1990

ATTN: Randy Lyman

This is regarding disposal of water from tanks at Consolidated Freightways, 2930 E. Kearney, Springfield, Missouri.

The water was transported to the sewer manhole located by Beaufort Transfer parking lot.

There was approximately 40,000 gallons of water discharged.

Rex Maberry
Stoddard Equipment Co.

RM:dp

2930 E. Kearney



CONSULTING ANALYTICAL SERVICES INTERNATIONAL
2804 EAST BATTLEFIELD, SPRINGFIELD, MISSOURI 65804, 417-882-1017, 1018

Mr. Rex Maberry
Stoddard Equipment Company

Re: CaSi File/Case/Log: 0157/091532-1535/235
Samples collected from CF Trucking, 8-20-90

	NW TANK TO - 171 TO - 172	NE TANK TO - 173 TO - 174	SW TANK TO - 175 TO - 176	SE TANK TO - 177 TO - 178
Cadmium, total	<0.002	<0.002	<0.002	<0.002
Chromium, total	<0.005	<0.005	<0.005	<0.005
Copper, total	<0.005	0.006	<0.005	0.005
Lead, total	0.01	0.02	<0.01	0.01
Nickel, total	0.01	<0.01	<0.01	0.01
Zinc, total	0.088	0.134	0.028	0.035
Oil & Grease	2396	1947	2943	49.7

OCT 31 1990

L. Burger

2930 E. Kearney